DOCUMENT RESUME

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TITLE	Filmstrip and Cassette: Modern Math Activities for Primary Grades: Parts I and II. Description of Teacher Inservice Education Materials.
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ABSTRACT

The described teacher inservice education product is designed for primary and elementary school teachers interested in learning about mathematical games and activities. Ordering information for the films and cassette tapes is provided. The scope and sequencing of topics are outlined, and a critique of the product is included. (JD)

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DESCRIPTION OF TEACHER IN-SERVICE EDUCATION MATERIALS

A. SUMMARY INFORMATION

Title: Filmstrip and Cassette: Modern Math Activities for Primary Grades Parts I and II

Publication Date(s): 1965

Intended Users: Primary teachers interested in learning about mathematical games and activities. May be of interest to teachers of older elementary grade students who need remedial math.

Grade Level(s): K - 3

Number: Individuals or Groups

Primary Focus: An introduction to a variety of mathematical games and activities in the primary grades.

School subject(s) and/or in-service topic(s) covered:

The main focus of this material is to introduce the user to simple-to-make math materials and games. The two filmstrips show pocket charts, bead frames, kinesthetic materials, number lines, number wheels, and other materials which would aid the student in learning about numerals, sequence, patterns, equations, addition, subtraction, regrouping, place value, measurement and other mathematical skills.

What participant does in using the materials:

The user would listen to the cassette tapes and watch the filmstrips. Since the materials are shown for only a brief period, the user may wish to return to specific frames, without the sound, for a more detailed study.

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Resources:

The package comes with two 15 minute cassette tapes and two corresponding filmstrips. There is also a 22 page manual with an introduction and a verbatim script and pictures of the filmstrip.

Describer critique:

The filmstrip and tapes are of satisfactory quality. An instructor is not necessary, but could be helpful. The ideas for the filmstrip can easily be found in an inexpensive book. The filmstrips are 15 minutes long, so actual viewing time would be 30 minutes.

Price Range: Complete kit - 2 cassette tapes (or records) and 2 filmstrips: $40.00

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B. IN-DEPTH INFORMATION

Title: Filmstrip and Cassette: Modern Math Activities for Primary Grades Parts I and II

Publication Date(s): 1965

Intended Users: Primary teachers interested in learning about mathematical games and activities. May be of interest to teachers of older elementary grade students who need remedial math.

Grade Level(s): K - 3

Number: Individuals or Groups

Primary Focus: An introduction to a variety of mathematical games and activities in the primary grades.

1.0 PURPOSES:

It is stated in the manual:

"Modern Mathematics Activities for Primary Grades will familiarize teachers with a number of activities, games, and devices which have been used successfully to strengthen the mathematics program in the primary grades. They are designed to provide repetitive activity in a way that is interesting and challenging to the children. Number recognition and sequence, number concept and place value, computational skill, measurement, and other mathematical skills are among those catalogued.

"These activities are designed to develop understanding and to motivate pupils They can be of great help in meeting individual differences, and when incorporated into a well-balanced mathematics program, provide a challenge to all concerned. Teachers should avoid using such materials in isolation as ends in themselves."

2.0 CONTENT — Scope and Sequencing of Topics:

PART I - description of activities, games, and manipulative materials for number relations, properties, patterns, numeral symbols, equations, addition and subtraction, sets and subsets, and number sequence. The filmstrip shows activities such as bead frames, pocket charts, "feed the bunny," kinesthetic materials (i.e., sandpaper numerals, sand trays),"delivering the mail" to the right address, beads, rods, blocks, walk-on-number-line.

PART II - description of activities and materials for commutative property in addition, speed drill, vertical addition, mental arithmetic, math operations, symbols, sequence, numerals up to 100, place value, regrouping, measurement, and time. Some of the materials shown were number wheels, plates and counters, "combination hopscotch," flashcards, dominoes, pocket chart, lotto or bingo-type games, "combination ladder," peg boards, abacus, and clock-faces.

These filmstrips do not have to be seen in order. One filmstrip does not build upon the other.

The filmstrips give only a brief explanation of each material and game: what the material is, its use, how it can be made, and sometimes possible variations.

3.0 ACTIVITIES AND RESOURCES INVOLVED IN USE OF PRODUCT

3.1 Description of main in-service activities:

The user would listen to the cassette tapes and watch the filmstrip. Since the activities are on the screen for only a brief period of time, the user may wish to return to specific frames, without the sound, for a more detailed study.

3.2 Help given in use of product:

The package includes two 15 minute cassette tapes and two corresponding filmstrips. There is also a manual that (1) introduces the filmstrip and the producers and (2) includes the script and pictures of the tapes and filmstrip verbatim.

4.0 EVALUATION OF TEACHER INSERVICE LEARNING

No method of evaluation is suggested.

5.0 ORDERING INFORMATION

5.1 Resources required/recommended:

An instructor is not necessary, but could be helpful to the user as a resource. That is, the instructor could help the user in the development, adaptation and construction of the game or activity.

A cassette tape recorder and filmstrip projector and screen are needed. The tapes are 15 minutes each, so the actual viewing time would be 30 minutes. If the user wished to make any of the games, more time would be required. The program can be done in an in-or out-of school setting.

5.2 Distributor name/address:

AIMS Instructional Media Services, Inc.
626 Justin Avenue
Glendale, California 91201
(213) 240-9300

5.3 Components/approximate costs:

Component	Purchase	Rental	No. Req.	Reusable
Complete Kit - 2 filmstrips & 2 cassette tapes (or records)	$ 40.00	--	1	yes

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6.0 HISTORY OF DEVELOPMENT

6.1 Identification of the developer:

Leslie W. Nelson - professor of audio-visual education at California State College at Los Angeles, authored or co-authored books such as Guide to Student Teaching and Instructional Aids, produced filmstrips on agriculture and reading, has been a teacher, principal and supervisor.
Delwyn G. Schubert - associate professor and reading director at California State College at Los Angeles, author of over 60 articles, studies, and books.
Elizabeth M. Clure - classroom consultant, 20 years of teaching, co-author of Games for Growth in Mathematics.
Leo Richards - educational consultant, assistant professor of education at San Fernando Valley State College, formerly math consultant for the Los Angeles County Superintendent of schools.

6.2 How developed and when:

Not indicated.

6.3 Evidence of effectiveness with users:

It is stated on the tapes that the activities and games suggested in the filmstrips are "proven interest-getters and provide elementary students with basic understanding."

C. DESCRIBER CRITIQUE

Appropriateness / adaptability / technical quality:

This filmstrip was designed for use by primary grade teachers, but many of the games and materials could be revised to fit the needs of older elementary grade students, especially those with remedial needs. The quality of the tape and filmstrip are good. The materials come in a box; the filmstrips are in a plastic container, but the cassette-tapes are not packaged. Because the filmstrips were produced in 1965, the dress of the teachers and students are dated.

Content accuracy/social fairness/community acceptance issues:

The materials presented appear to be accurate. The filmstrip shows only white, female teachers and white students. There are no minorities represented. Some may be offended by this lack of racial and sexual balance.

Overall summary/comment:

The ideas in the filmstrip are interesting, but most of the materials can just as easily be found in an inexpensive book. Many of the ideas have been around for quite some time (i.e., pocket charts, beads, blocks, bingo-type games, etc.).

Most of the materials appear easy to make, however, more explanation of how to construct them would be helpful for the teacher who has never made his/her own materials.